

Claims

[c1]

[c2] **What is claimed is:**

1. A method for processing error control for a seeking servo of an optical disk drive comprising following steps: calculating a "track on" time when the control of a pickup head is switched from a seeking servo system to a tracking servo system; moving the pickup head to the center of a movable range when the "track on" process is not completed in a predetermined time; and switching control of the pickup head to the tracking servo system.

[c3] 2. The method according to claim 1, when control of the pickup head is switched from the seeking servo system to the tracking servo system is determined by a "On Track" signal.

[c4] 3. The method of claim 1 wherein a center servo control system is provided to move the pickup head to the center of the movable range.

[c5] 4. The method of claim 1 wherein the pickup head oscil-

lates at a natural frequency and moves to the center of the movable range by natural damping.

- [c6] 5.A method for processing error control for a seeking servo of an optical disk drive comprising following steps: detecting a center error signal when control of a pickup head is switched from a seeking servo system to a tracking servo system; moving the pickup head to the center of a movable range when the center error signal exceeds a predetermined value; and switching control of the pickup head to the tracking servo system.
- [c7] 6.The method according to claim 5, when control of the pickup head is switched from the seeking servo system to the tracking servo system is determined by a "On Track" signal.
- [c8] 7.The method of claim 5 wherein a center servo control system is provided to move the pickup head to the center of the movable range.
- [c9] 8.The method of claim 5 wherein the pickup head oscillates at a natural frequency and moves to the center of the movable range by natural damping.